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Revision: 2

MILWAUKEE COUNTY EMS PRACTICAL SKILL INTRAOSSEOUS INFUSION

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Signature:	
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Purpose:			Indications:				
To provide access to the bone marrow canal as an			An IO line may be established in the cardiopulmonary				
alternative to an intravenous line for administration		arrest victim in whom an IV line cannot be					
of fluids and medication			established				
Advantages:		Disadvantages:		Complications:	Contraindications:		
Provides route for fluid administration		Requires special		Infiltration	Leg fracture		
Provides route for medication		equipment and		Infection	Infection over site		
administration		insertion technique		Tibial fracture	Delay in transport		
				aching			
	Prepare equipment using sterile technique, attaching administration set and extension set to IV bag						
▼							
Identify intraosseous site (anteromedial aspect							
of proximal tibia 1 - 2 cm below tibial tuberosity)							
▼							
		Cleanse site with	aiconoi				
Develope made they have all and allies they have the subject.							
Remove protective caps of needle and adjust depth to length which will penetrate skin, subcutaneous tissue and bone cortex							
Assure needle stylette			e is in place				
▼							
Insert needle slightly angled (10 degrees from vertical) toward foot							
Enter skin and twist needle to cut through bone							
while applying firm downward pressure							
Remove stylette when tip of needle enters marrow cavity							
Temore expects money of notation and of early							
Attach a 20 cc syringe and attempt to aspirate marrow							
(liquid resembling blood may appear in syringe)							
─							
	Inject 5	5 - 10 cc of sterile	normal saline				

NOTES:

 Monitor carefully for infiltration. Extravasation of some medications can cause tissue sloughing.

If no local infiltration is seen and fluid infuses easily, stabilize IO needle in place by taping IO needle flange securly to skin

Connect extension set to hub of IO needle

Adjust flow rate to deliver appropriate volume of fluid

Dispose of contaminated equipment in an appropriate receptacle